High-Mu Triode—Beam Power Tube

NOVAR TYPE

For Combined Vertical-Deflection Oscillator and Amplifier Service in TV Receivers

Electrical:	
Heater Characteristics and Ratings:	0.2.0.0
Voltage (AC or DC)	6.3 ± 0.6 volts
Current at heater volts = 6.3	1.100 amp
Peak heater-cathode voltage (Each unit):	200 max. volts
Heater negative with respect to cathode	200 max. volts
Heater positive with respect to cathode	
Direct Interelectrode Capacitances (Approx.)	•
Triode Unit:	0.44 pf
Grid to plate	
G_T to (K_T, H)	7.0 pf
ΓŢ to (KŢ,Η)	7.0 pf
Beam Power Unit:	0.010
Grid No.1 to plate	0.048 pf
$G1p$ to $(K_B+G3_B,G2_B,H)$	2.6 pf
$G1_P$ to $(K_B+G3_B,G2_B,H)$	0.28 pf
Mechanical:	
Operating Position.	Any
Type of Cathodes	pated Unipotential
Maximum Overall Length	3.110"
Maximum Seated Length	2.730"
Length, Base Seat to Bulb Top (Excluding tip)	. 2.210" to 2.390"
Diameter	. 1.062" to 1.188"
Bulb	
Bulb	Industrial Elec-
tronics Hardware Corp. No.SO-0968-S	SL1. or equivalent
Base Small Button Novar 9-Pi	n (JEDEC No.E9-75)
Basing Designation for BOTTOM VIEW	9QT
Pin 1 - Triode Cathode	н
Pin 2 - Beam Power Grid No.1	Ö PB
Pin 3 – Beam Power Cathode &	
C_:_ N_ 2	G _{2R}
Pin 4 - Heater	
Pin 5 - Heater	:=
Pin 6 - Beam Power Plate	(8)PT
Pin 7 - Beam Power Grid No.2	
Pin 8 - Triode Plate	<u> </u>
Pin 9 - Triode Grid	GT
Observatoristics Class & Amelificat	
Characteristics, Class A _l Amplifier:	
Triode Unit Beam P	
	5 120 volts
Grid-No.2 Voltage 120 12	O Connected volts
	to plate
	at socket
Grid-No.1 Voltage3 0 -1	
Amplification Factor 64	7

Harrison, N. J.

Plate Resistance (Approx.) 40000 Transconductance 1600 Plate Current 1.4 Grid-No.2 Current Grid-No.1 Voltage (Approx.) for plate ma = 1	t Beam Power Unit - 18000 - ohms - 8400 - μmhos 170c 39 - ma 20c 3 - ma 24 - volts	
VERTICAL-DEFLECTION OSCILLATOR (Triode Unit)		
Maximum Ratings, Design-Maximum Values:		
For operation in a 525-line		
DC Plate Voltage	330 max. volts 400 max. volts 77 max. ma	
Maximum Circuit Values:		
Grid-Circuit Resistance: For grid-resistor-bias operation	2.2 max. megohms	
VERTICAL-DEFLECTION AMPLIFIE	R (Beam Power Unit)	
Maximum Ratings, Design-Maximum Va		
For operation in a 525-line		
DC Plate Voltage	2000 abs.max. volts 250 max. volts 250 max. volts 200 max. ma	
Grid-No.2 Input	1.9 max. watts	
Maximum Circuit Values: Grid-No.1-Circuit Resistance: For grid-resistor-bias operation	2.2 max. megohms	
a The dc component must not exceed 100 volume b without external shield. This value can be measured by a method such that the plate dissipation and gring ratings in order to prevent damage to the As described in "Standards of Good Engine vision Broadcast Stations", Federal Com	involving a recurrent wave form d-No.2 input will be kept within he tube.	
This rating is applicable where the dur not exceed 15 per cent of one vertical 30-frame system, 15 per cent of one verti seconds.	ation of the voltage pulse does	

DIMENSIONAL OUTLINE & CURVES shown under Type 15KY8 also apply to the 6KY8

